

FORM PTO-1449
(Modified)

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U.S. Department of Commerce
Patent and Trademark Office

Attorney Docket No.: GRQ-00100

Serial No.: 09/723,615

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Use Several Sheets as Necessary)

(37 CFR § 1.98(b))

Applicant: Jack Cheng et al.

Filing Date: November 27, 2000

Group Art Unit:

U.S. PATENT DOCUMENTS

Examiner Initials		Serial / Patent Number	Issue Date	Applicant / Patentee	Class	Subclass	Filing Date
XLN	AA	Re. 33,390	10/16/90	Sashida	310	328	12/18/87
	AB	3,683,476	08/15/72	Lea et al.	29	149.5	08/04/70
	AC	3,756,105	09/04/73	Balamuth et al.	83	14	10/28/71
	AD	3,774,923	11/27/73	Suroff	280	11.13 R	12/15/71
	AE	3,867,014	02/18/75	Kemp	350	149	02/07/73
	AF	3,937,148	02/10/76	Simpson	104	148 MS	08/05/74
	AG	4,453,103	06/05/84	Vishnevsky et al.	310	323	04/16/82
	AH	4,482,421	11/13/84	Gurak	156	580.1	06/02/82
	AI	4,523,120	06/11/85	Assard et al.	310	323	06/04/84
	AJ	4,530,021	07/16/85	Cameron	360	97	11/26/82
	AK	4,562,374	12/31/85	Sashida	310	328	05/16/84
	AL	4,644,199	02/17/87	Langley	310	12	03/22/85
	AM	4,736,129	04/05/88	Endo et al.	310	323	05/27/86
	AN	4,785,177	11/15/88	Besocke	250	442.1	03/13/87
	AO	4,824,262	04/25/89	Kamigaito et al.	384	42	09/25/87
	AP	4,866,690	09/12/89	Tamaru et al.	369	45	07/15/86
	AQ	4,874,979	10/17/89	Rapp	310	328	10/03/88
	AR	4,884,002	11/28/89	Eusemann et al.	310	323	10/19/88
	AS	4,894,579	01/16/90	Higuchi et al.	318	328	05/23/88
	AT	4,944,606	07/31/90	Lindsey et al.	384	42	08/07/89
	AU	4,968,914	11/06/90	West et al.	310	328	03/24/89
	AV	4,987,334	01/22/91	Jungwirth	310	333	08/15/89
	AW	5,001,404	03/19/91	Kataoku	318	416	11/27/89
	AX	5,013,945	05/07/91	Adolfson	310	26	10/02/89
	AY	5,036,245	07/30/91	Ohnishi et al.	310	323	11/13/89
	AZ	5,039,894	08/13/91	Teter et al.	310	26	10/11/90
	BA	5,043,621	08/27/91	Culp	310	316	09/28/89
	BB	5,070,571	12/10/91	Arai	15	250 R	09/24/90
	BC	5,099,166	03/24/92	Hirano et al.	310	323	09/14/89
	BD	5,140,215	08/18/92	Yamaguchi	310	323	09/18/89
	BE	5,162,692	11/10/92	Fujimura	310	323	01/04/91
	BF	5,180,940	01/19/93	Paratte et al.	310	40 MM	02/06/91
	BG	5,186,378	02/16/93	Alfaro	228	110	09/30/91
	BH	5,244,140	09/14/93	Ramsey et al.	228	110.1	09/30/91
	BI	5,332,941	07/26/94	Honda	310	323	02/17/93
✓	BJ	5,332,942	07/26/94	Rennex	310	328	06/07/93

Examiner:

Date Considered:

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Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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U.S. PATENT DOCUMENTS

Examiner Initials		Serial / Patent Number	Issue Date	Applicant / Patentee	Class	Subclass	Filing Date
XLN	AA	5,345,137	09/06/94	Funa kubo et al.	310	323	04/08/92
	AB	5,376,858	12/27/94	Imabayashi et al.	310	333	09/23/93
	AC	5,410,206	04/25/95	Luecke et al.	310	328	04/06/93
	AD	5,416,375	5/16/95	Funa kubo et al.	310	323	09/09/94
	AE	5,441,305	08/15/95	Tabar	280	809	07/16/93
	AF	5,446,331	08/29/95	Watanabe et al.	310	323	11/07/94
	AG	5,448,129	09/05/95	Sumibara et al.	310	323	06/14/95
	AH	5,563,456	10/08/96	Nakahara et al.	310	328	04/12/94
	AI	5,589,723	12/31/96	Yoshida et al.	310	328	03/15/95
	AJ	5,637,948	06/10/97	Suganuma	310	323	01/30/95
	AK	5,712,524	01/27/98	Suga	310	328	12/26/95
	AL	5,770,913	06/23/98	Mizzi	310	328	10/23/96
	AM	5,783,899	07/21/98	Okazaki	310	317	06/06/97
	AN	5,786,654	07/28/98	Yoshida et al.	310	328	06/03/96
	AO	5,911,514	06/15/99	Davies et al.	384	300	07/12/94
	AP	5,994,820	11/30/99	Kleindiek	310	329	03/25/99
	AQ	6,002,549	12/14/99	Berman et al.	360	107	06/02/97
	AR	6,040,643	03/21/00	Bruns	310	26	11/20/88
✓	AS	6,064,140	05/16/00	Zumeris	310	323.02	08/03/98
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FORM PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office		Attorney Docket No.: GRQ-00100	Serial No.: 09/723,615
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(37 CFR § 1.98(b))				Filing Date: November 27, 2000	Group Art Unit:
OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)					
XLN	BJ	Scott Chou, et al. "Miniature Ultrasonic Motor" Horological Journal Article of the month February 1999, 13 pages			
	BK	"Piezo-Electric Ultrasonic Motors" Piezo Systems, Inc., Cambridge, Massachusetts, U.S.A pp. 1-3, 9/12/00			
	BL	Calvin F. Quate et al., "Acoustic Microscopy with Mechanical Scanning-A Review" pp. 482-504			
	BM	Piezoelectric Acousto-Isolators, 4 pgs.			
	BN	Paul Atherton, "Technology Trends Micropositioning using Piezoelectric Translators" Dec. 1987, Photonics Spectra, pp. 51-53 & p.84			
	BO	"CVD Diamond Films Open New Vistas" 1989 Trends Optics, 9 pgs.			
	BP	Peter J. Blau, "Friction Science and Technology" Marcel Dekke, Inc., New York, 3 pgs.			
	BQ	Kenneth C. Ludema "Friction Wear, Lubrication" A text book in tribology, pp. 830-833.			
	BR	Karl F. Graff, "Wave Motion in Elastic Solids" Dover Pub., Inc., New York			
	BS	"An Acoustic Transformer Powered Super-High Isolation Amplifier" 4 pgs.			
	BT	"Guide To Modern Piezoelectric Ceramics" Morgan Matroc, Inc., Electro Ceramics Division, 27 pgs.			
	BU	"Channel Industries, Inc." Piezoelectric Ceramics, 16 pgs.			
	BV	"Piezoelectric Ceramics" EDO Corp. Western Division, 30 pgs.			
	BW	"Multilayer Piezoelectric Actuators : User's Manual" Tokio, 25 pgs.			
	BX				
Examiner: <i>Ken Nguyen</i>			Date Considered: 7/3/02		
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